



SPYWOLF

Security Audit Report



Completed on
March 24, 2023

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OVERVIEW

This audit has been prepared for **DEX Coyote** to review the main aspects of the project to help investors make an informative decision during their research process.

You will find a summarized review of the following key points:

- ✓ Contract's source code
- ✓ Owners' wallets
- ✓ Tokenomics
- ✓ Team transparency and goals
- ✓ Website's age, code, security and UX
- ✓ Whitepaper and roadmap
- ✓ Social media & online presence

“

The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal

- SPYWOLF Team -

”





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DEX COYOTE



PROJECT DESCRIPTION

According to their whitepaper:

DexCoyote is a decentralized launchpad with zero entry threshold, instant listing via smart contract and floating commission.

The more sales, the lower the commission.

Release Date: Deployed at March 22, 2023

Category: IDO



CONTRACT INFO

Token Name
IDO_launchpad

Symbol
N/A

Contract Address
0xcD21E537CD84f9567BbED0A6be8234A7e5b35B3D

Network
Binance Smart Chain

Language
Solidity

Deployment Date
March 22, 2023

Verified?
Yes

Total Supply
N/A

Status
Launched

TAXES

Buy Tax
1%

Sell Tax
none



Our Contract Review Process

The contract review process pays special attention to the following:

- ✓ Testing the smart contracts against both common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ✓ Ensuring contract logic meets the specifications and intentions of the client.
- ✓ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ✓ Thorough line-by-line manual review of the entire codebase by industry experts.

Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat



TOKEN TRANSFERS STATS

Transfer Count	N/A
Uniq Senders	N/A
Uniq Receivers	N/A
Total Amount	N/A
Median Transfer Amount	N/A
Average Transfer Amount	N/A
First transfer date	N/A
Last transfer date	N/A
Days token transferred	N/A

SMART CONTRACT STATS

Calls Count	342
External calls	342
Internal calls	0
Transactions count	342
Uniq Callers	2
Days contract called	3
Last transaction time	2023-03-24 14:39:32 UTC
Created	2023-03-22 13:45:39 UTC
Create TX	0x7709624bec306a9c4d2a90d9b13d0cb04d731ad62a79db27f2b5df0dff4ac1d2
Creator	0xc4aa644b65abe57f8f4046b6dff93e1366d778f8



VULNERABILITY CHECK

Design Logic	Passed
Compiler warnings.	Passed
Private user data leaks	Passed
Timestamp dependence	Passed
Integer overflow and underflow	Passed
Race conditions and reentrancy. Cross-function race conditions	Passed
Possible delays in data delivery	Passed
Oracle calls	Passed
Front running	Passed
DoS with Revert	Passed
DoS with block gas limit	Passed
Methods execution permissions	Passed
Economy model	Passed
Impact of the exchange rate on the logic	Passed
Malicious Event log	Passed
Scoping and declarations	Passed
Uninitialized storage pointers	Passed
Arithmetic accuracy	Passed
Cross-function race conditions	Passed
Safe Zeppelin module	Passed
Fallback function security	Passed



THREAT LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

High Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Medium Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Low Risk

Issues on this level are minor details and warning that can remain unfixed.

Informational

Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.



FOUND THREATS

⚠ High Risk

IDO_launchpad's contract owner can withdraw BNB from the contract. The contractFee variable is only increasing with each buy from ICO investors but not decreasing. This will give the ability to the IDO_launchpad's contract owner to withdraw bnb from the contract indefinitely.

```
function withdrawFee(address payable _to) external onlyOwner {  
    _to.transfer(contractFee);  
}
```

If the IDO_launchpad's contract owner withdraws more BNB than the 'contractFee' variable value. Owned BNB to token IDO creator can be more than the current contract balances and the transaction will revert, causing the IDO creator to be unable of withdraw the raised BNB funds.

```
function withdraw_BNB_by_ICO_owner(address token) external {  
    require(ido[token].owner == msg.sender, "Only IDO owner can withdraw");  
    uint amount = ido[token].bnb;  
    ido[token].bnb = 0;  
    payable(msg.sender).transfer(amount);  
}
```

- Recommendation:
 - Ensure that the *contractFee* variable is decreased with each successful *withdrawFee* request from the IDO_launchpad's owner.

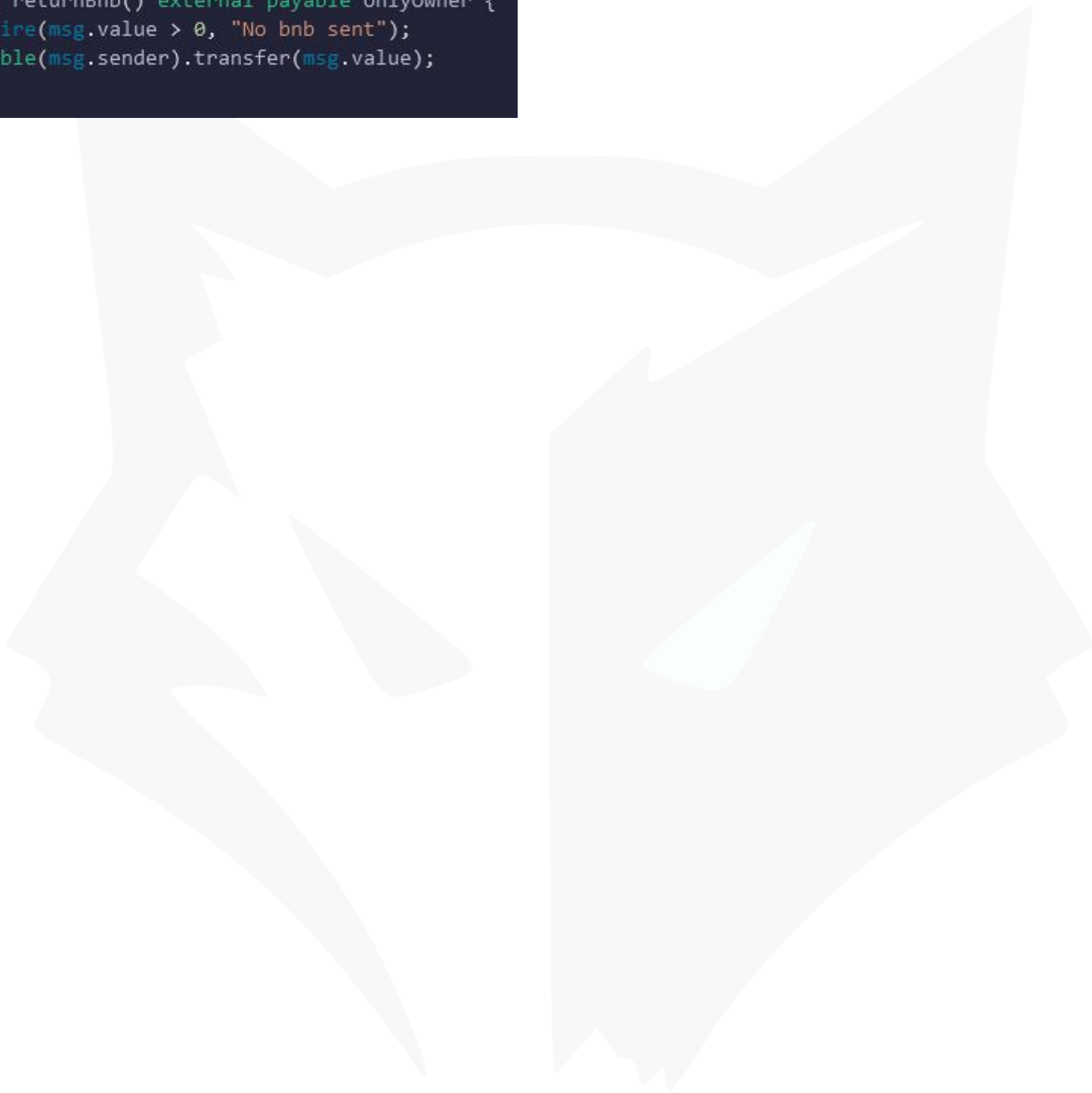


Informational

Owner can execute returnBnb() function.

This function sends desired BNB value to the contract and then returns the same amount back to sender in the same transaction.

```
function returnBnb() external payable onlyOwner {  
    require(msg.value > 0, "No bnb sent");  
    payable(msg.sender).transfer(msg.value);  
}
```





This is ICO fundraiser contract where anyone can put their token and raise initial liquidity in BNB. The fees for each ICO purchase is 1% and cannot be changed.

TOKENOMICS



THE TEAM

! The team is anonymous

KYC INFORMATION

! No KYC

We recommend the team to get a KYC in order to ensure trust and transparency within the community.





WEBSITE

Website URL

<https://dexcoyote.com/>

Domain Registry

<https://www.reg.com>

Domain Expiration

Expires on 2023-10-18

Technical SEO Test

Passed

Security Test

Passed. SSL certificate present

Design

Very nice color scheme and overall layout.

Content

The information helps new investors understand what the product does right away. No grammar mistakes found.

Whitepaper

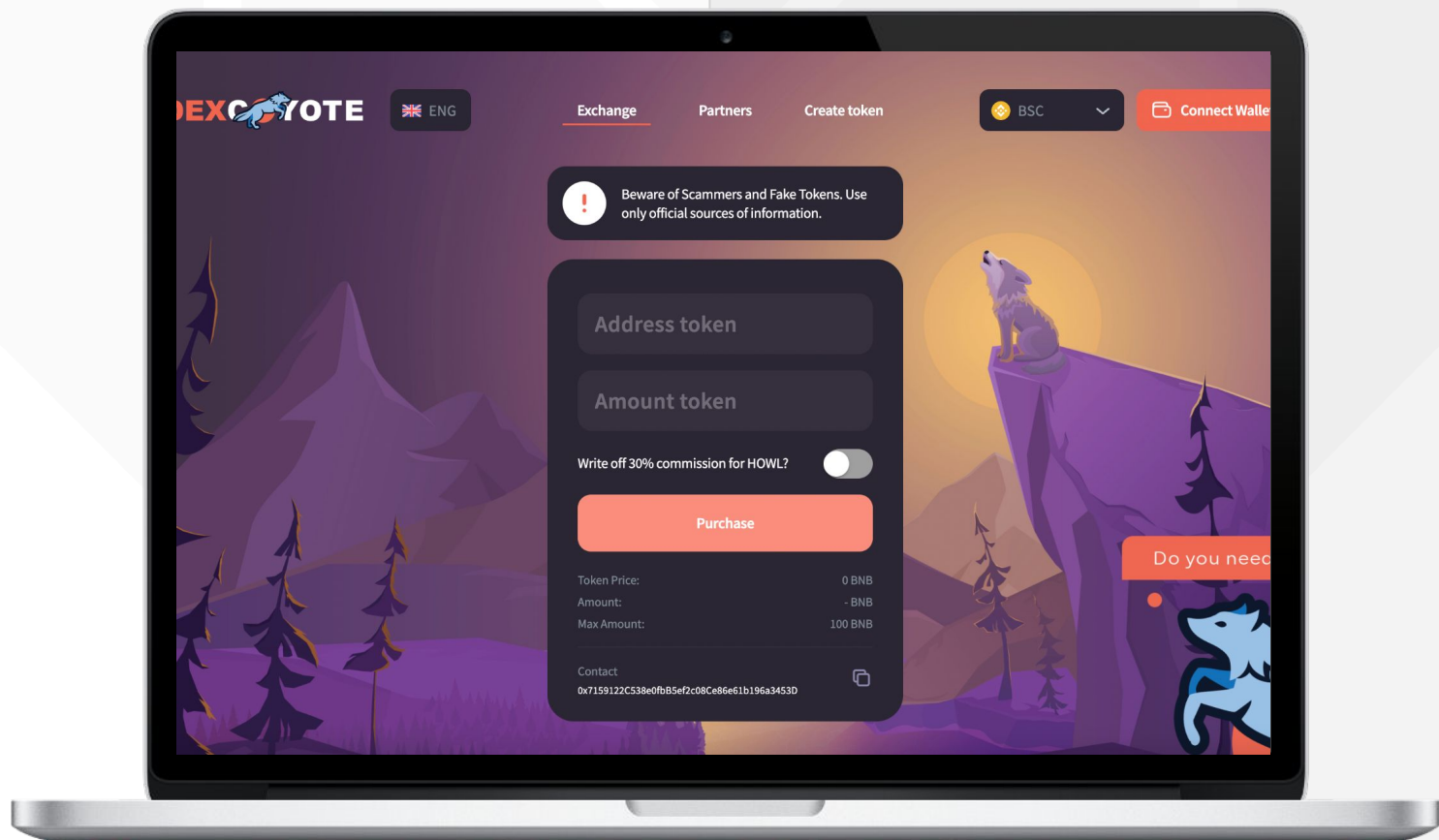
Well written, explanatory.

Roadmap

Yes, goals set with time frames.

Mobile-friendly?

Yes



dexcoyote.com

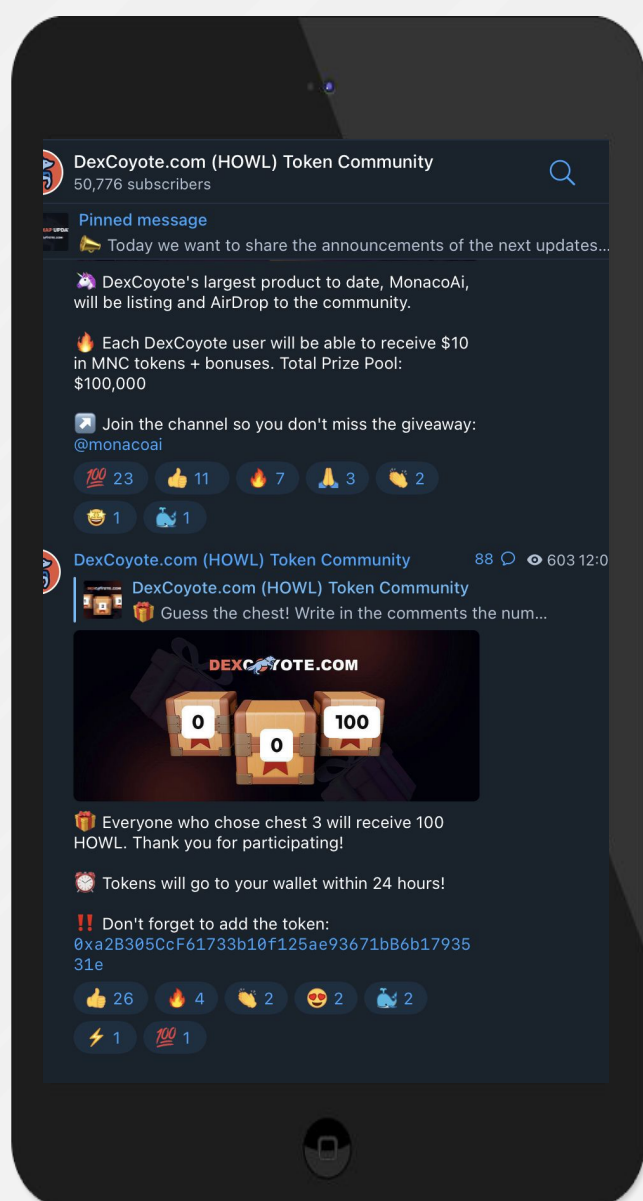


SOCIAL MEDIA & ONLINE PRESENCE



ANALYSIS

Project's social media channels are active with organic users.



Twitter

@dexcoyote

- 2 282 followers
- Posts frequently
- Organic activity



Discord

- Not available



Telegram

@coyotechat

- 1 846 members
- Active members
- Active mods



Medium

@dexcoyote

- 6 followers
- 15 articles



SPYWOLF

CRYPTO SECURITY

Audits | KYCs | dApps
Contract Development

ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

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- ✓ MORE THAN 500 SCAMS EXPOSED
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t.me/joe_SpyWolf

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Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.